PE NUMBER: 0207028F

PE TITLE: Joint Expeditionary Force Experiment

	RDT&E BUDGET ITEM J	USTIFIC	CATION	SHEET	(R-2 Ex	chibit)		DATE		ary 2002
	r ACTIVITY Operational System Development			rce Expe	eriment					
	COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
	Total Program Element (PE) Cost	0	43,564	27,161	51,145	27,587	52,139	27,449	Continuing	TBD
4373	JEFX	0	38,982	20,783	44,483	20,934	47,192	22,508	Continuing	TBD
4991	JDEP	0	4,582	6,378	6,662	6,653	4,947	4,941	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

The Joint Expeditionary Force Experiments (JEFX) are large-scale warfighter experiments that address emerging operational challenges and are part of the total AF experimentation effort. They combine live-fly forces and simulations into an operationally representative warfighter environment. These experiments provide a vehicle for experimentation with operational concepts and attendant new technologies to evolve and transform our aerospace forces and capabilities for the 21st century. They are part of a broader effort to implement the Joint Vision 2020, exploit the Revolution in Military Affairs, demonstrate emerging Air Force capabilities to deploy and employ decisive aerospace power for the Joint Force Commander, and are important enablers of innovation and transformation.

In FY01, the Air Force moved to a biennial schedule for JEFX conducted in the even years. To reduce risk in the large scale experiments during the even years, a small scale Advanced Process and Technology Experiment (APTX) is scheduled for the odd years. These experiments will focus on specifically targeted capability requirements that will be part of the JEFX experiment. For 2001 (performed under PE 0207027) the focus was alliance operations that required building an open Combined Aerospace Operations Center (CAOC) floor. In addition, the Air Force began the integration of proven initiatives into integrated Air Force/Joint/Coalition Command and Control providing integrated/interoperable fielded capabilities for warfighter use. Transition of selected technologies to the warfighter will be based on a rigorous, defined process which ensures interoperability with fielded programs and maximum return on investment. Funding for transition of selected technologies is provided in the odd years only. Specific weapon system development and procurement activities are funded in their own budget lines as applicable.

A full-scale experiment as performed in FY99 and FY00 will be conducted in FY02. JEFX 02 will explore Time Critical Targeting and Intelligence, Surveillance and Reconnaissance Management in a reduced footprint expeditionary CAOC environment with alliance partners. JEFX 02 will also demonstrate the Global Strike Task

Page 1 of 15 Pages

Exhibit R-2 (PE 0207028F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2002

BUDGET ACTIVITY

PE NUMBER AND TITLE

07 - Operational System Development

0207028F Joint Expeditionary Force Experiment

(U) A. Mission Description Continued

Force concept as the service component of the joint Millennium Challenge 02.

APTX 03 will continue the success of the earlier small scale experiment by investigating selected initiatives that will reduce the risk to JEFX 04 and the associated joint experiment Olympic Challenge 04. The focus of the experiment will center on the presentation of forces in 2015 to conduct air and space operations in support of the USJAFCOM concept of Rapid Decisive Operations. The AF exploration of task forces to accomplish missions is a key aspect of the experiment. Global Strike Task Force (GSTF) to 'kick down the door', Global Response Task Force for striking terrorism, Homeland Security Task Force to protect homeland, Humanitarian Relief to cover natural desasters and finally C2ISR Task Force to explore multi use platforms, such as combining sensors with striking capability. In addition, the experiment will continue coalition operations to prepare for Olympic Challenge 04. Specific guidance will be given by COMACC. Results of this and earlier experiments will be considered for transition.

The Joint Distributed Engineering Plant (JDEP) connects combat system engineering sites and replicates Joint Force Combat Systems to crate a network testbed to assess joint Battle Management, Command, Control, Communicatin, Computers and Intelligence. Its objective is to improve interoperability of weapons systems and platforms through more rigorous interoperability evaluation in a replicated battlefield environment. JDEP will provide the capability both to improve service and joint systems performance in a system-of-systems environment.

JDEP will link existing service and joint combat system engineering and test sites, such as C4I hardware in-the-loop and computer-program in-the-loop engineering sites (including design activities, software support activities, test and evaluation facilities and training commands) located around the country.

(U) B. Budget Activity Justification

This effort is a Budget Activity 7, Research, Development, Test and Evaluation, Management Support, because the program provides a vehicle for developers, testers and warfighters for experimentation, analysis, operational concepts and new technologies for enhancing capabilities of the 21st century aerospace force.

FY 2001

(U) C. Program Change Summary (\$ in Thousands)

U) Previous President's Budget

<u>FY 2002</u> <u>FY 2003</u> 64,005 31,987 64,005 **Total Cost**

- (U) Appropriated Value
 - Adjustments to Appropriated Value
 - a. Congressional/General Reductions
 - b. Small Business Innovative Research

Exhibit R-2 (PE 0207028F

	RDT&E BUDGET ITEM JUSTIFICAT	ΓΙΟΝ SHEET (R-2 Exhib	oit)	DATE Febru	ary 2002
	GET ACTIVITY Operational System Development	PE NUMBER AND TITLE 0207028F Joint Exp	editionary Fo	orce Experiment	
(U) (U) (U)	C. Program Change Summary (\$ in Thousands) Continued c. Omnibus or Other Above Threshold Reprogram d. Below Threshold Reprogram e. Rescissions Adjustments to Budget Years Since FY 2002 PBR Current Budget Submit/FY 2003 PBR	FY 2001	FY 2002 -20,441 43,564	FY 2003 -4,826 27,161	<u>Total Cost</u> TBD
(U)	Significant Program Changes: \$4.6M was added to PE 0207028F for JDEP in FY02 to support interFY03 includes \$-4.5M for JEFX. FY02 includes \$-20M for JEFX to accommodate planning and opeat		·		
		Page 3 of 15 Pages		Exhibit R-2	(PE 0207028F)

RDT&E BUDGET ITEM JU	JSTIFIC	ATION S	SHEET ((R-2A E	xhibit)		DATE		ry 2002
BUDGET ACTIVITY 07 - Operational System Development				R AND TITLE BF Joint		onary Fo	rce Expe	eriment	PROJECT 4373
COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
4373 JEFX	0	38,982	20,783	44,483	20,934	47,192	22,508	Continuing	TBD

Note:

- FY 2001 was executed under PE 0207027 Expeditionary Force Experiment, Program #674814.
- FY 2002 JEFX is the first year of execution under this PE 0207028F.

(U) A. Mission Description

The Joint Expeditionary Force Experiments (JEFX) are large-scale warfighter experiments that address emerging operational challenges and are part of the total AF experimentation effort. They combine live-fly forces and simulations into an operationally representative warfighter environment. These experiments provide a vehicle for experimentation with operational concepts and attendant new technologies to evolve and transform our aerospace forces and capabilities for the 21st century. They are part of a broader effort to implement the Joint Vision 2020, exploit the Revolution in Military Affairs, demonstrate emerging Air Force capabilities to deploy and employ decisive aerospace power for the Joint Force Commander, and are important enablers of innovation and transformation.

In FY01, the Air Force moved to a biennial schedule for JEFX conducted in the even years. To reduce risk in the large scale experiments during the even years, a small scale Advanced Process and Technology Experiment (APTX) is scheduled for the odd years. These experiments will focus on specifically targeted capability requirements that will be part of the JEFX experiment. For 2001 (performed under PE 0207027) the focus was alliance operations that required building an open Combined Aerospace Operations Center (CAOC) floor. In addition, the Air Force began the integration of proven initiatives into integrated Air Force/Joint/Coalition Command and Control providing integrated/interoperable fielded capabilities for warfighter use. Transition of selected technologies to the warfighter is based on a rigorous, defined process which ensures interoperability with fielded programs and maximum return on investment. Funding for transition of selected technologies is provided in the odd years only. Specific weapon system development and procurement activities are funded in their own budget lines as applicable.

A full-scale experiment as performed in FY99 and FY00 will be conducted in FY02. JEFX 02 will explore Time Critical Targeting and Intelligence, Surveillance and Reconnaissance Management in a reduced footprint expeditionary CAOC environment with alliance partners. JEFX 02 will also demonstrate the Global Strike Task Force concept as the service component of the joint experiment Millennium Challenge.

APTX 03 will continue the success of the earlier small scale experiment by investigating selected initiatives that will reduce the risk to JEFX 04 and the associated joint experiment Olympic Challenge 04. The focus of the experiment will center on coalition operations and homeland defense, with specific guidance given by

Project 4373 Page 4 of 15 Pages Exhibit R-2A (PE 0207028F)

DATE RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) February 2002 BUDGET ACTIVITY PE NUMBER AND TITLE **PROJECT** 07 - Operational System Development 0207028F Joint Expeditionary Force Experiment 4373 A. Mission Description Continued COMACC. Results of this and earlier experiments will be considered for transition. FY 2001 (\$ in Thousands) (U) \$0 No Activity in PE 27028--Previous activity performed in PE 27027 (U) \$0 **Total** FY 2002 (\$ in Thousands) \$8,800 (U) Initiatives received from government and industry, select and prioritize new and previously considered initiatives. Design, develop and install C2 center communications and computer upgrades. Initiatives are the pieces of the experiment that utilize the infrastructure to expand the capabilities of the Aerospace Expeditionary Force (AEF) and consists of proposals submitted by government and industry for experimentation in the JEFX environment. The initiatives address processes as well as technology. The JEFX environment envisions a future that leverages existing infrastructure but projects capabilities that will or may be fielded in the near future. The initiatives introduce new technologies and operational capababilities into the AEF Concept of Operations (CONOPS). The systems architecture for JEFX 2002 will consist of capabilities carried over from JEFX 2000 and new capabilities in the form of initiatives for JEFX 2002. The main focus area for JEFX 2002 is Time Critical Targeting (TCT) and the C2 of ISR that enables it. The environment is a Combined Air Operations Center (CAOC) with alliance integration on an open floor. Initiatives are the key to implementing improvements into this operational area. Spiral development of successful initiatives will be necessary to enable rapid fielding. Funding also provides enabling technologies for enhancements to the Global Grid and Global Information Grid which enables geographically separated C2 centers the ability to communicate. (U) \$8,400 Development of systems architecture and integration, including engineering, for the experiment. Contract engineering expertise is required to integrate initiatives into a cohesive systems architecture creating a system of systems. The initiatives must be able to perform as an integrated system within the designed architecture. Previous successful experiments have employed a team of contractors for this effort. Integration of systems and processes is the major reason JEFX is an experiment and not simply a demonstration or exercise. \$7,400 Plan, design, coordinate and assess the experiment, provide a quick look report of the experiment, and conduct a final report to the CSAF. Provide expertise to support SPO functions of initiative selection, acquisition, program management, communications and systems planning. Implement architectural configuration, conduct modeling and simulation (M&S), install and test the communications infrastructure and (U) \$14.382 architectural configurations during spiral development and the conduct of the experiment. Three spirals are conducted prior to the experiment to develop, test and evaluate the JEFX environment, identify and correct problem areas, and provide training to the operators on new tools and processes. Training is required to obtain a valid assessment of the initiatives performance. The experiment fully executes the environment by bringing operators, communicators, live-fly participants, and evaluators in fully integrated distributed nodes. M&S provides the ability to Exhibit R-2A (PE 0207028F) Proiect 4373 Page 5 of 15 Pages

	RDT	&E BUDGET ITEM JUSTIFICA	TION SHEET (R-2A Exhibit)	DATE Februa	ry 2002
	SET ACTIVITY Operational S	System Development	PE NUMBER AND TITLE 0207028F Joint Expediti	onary Force Experiment	PROJECT 4373
(U)	A. Mission Descr	ption Continued			
(U)	FY 2002 (\$ in Tho		e environment and CONOPS for experimentation	on while minimizing real world costs	. Some tools
(U)	\$38,982	Total			
(U)	FY 2003 (\$ in Tho	usands)			
(U) (U)	\$954 \$3,056	experiment will utilize the infrastructure to submitted by government and industry for each of The JEFX environment envisions a future that the future. The initiatives introduce new technologues of APTX 03 will be on aerospace sup to provide risk reduction for the conduct of Develop plans for systems architecture, systems	expand the capabilities of the Aerospace Experimentation in the JEFX environment. The nat leverages existing infrastructure but projects blogies and operational capabilities into the AE eriority, coalition operations and homeland def JEFX 04 and JFCOMs Olympic Challenge 04. tems integration and engineering. Contract eng	ditionary Force (AEF) and consists of initiatives address processes as well as capabilities that will or may be field F Concept of Operations (CONOPS) tense with specific guidance provided timeering expertise is required to integrate the specific guidance provided timeering expertise is required to integrate the specific guidance provided timeering expertise is required to integrate the specific guidance provided timeering expertise is required to integrate the specific guidance provided to integrate the specific guidance provided the specific guidance provided to integrate the specific guidance provided to integrate the specific guidance guid	proposals as technology. led in the near by COMACC grate initiatives
(II)	Φ5 405	not a demonstration or exercise.	ating a C2 system of systems. Systems integrat		•
(U)	\$5,405		eriment, provide a quick look report of the expe of initiative selection, acquisition, program ma		
(U)	\$1,368	implement architectural configuration, insta	all and test communications and architectural courchitecture through the use of operators, communications	onfigurations for the experiment. Exe	cute and
(U)	\$10,000	Transition funding for the integration of new only.)	w initiatives and legacy systems into an integral	ted C2ISR baseline. (This funding is	in the odd years
(U)	\$20,783	Total			
(U)	B. Project Chang	e Summary			
P	roject 4373		Page 6 of 15 Pages	Exhibit R-2A (PE 0207028F)

	RDT&E BUDGET ITEM JUSTIFICA	TION S	SHEET (R	-2A Ex	(hibit)		DATE Febr	uary 2002
	GET ACTIVITY Operational System Development		PE NUMBER A	ND TITLE	Expeditiona	ry Force		PROJECT
(U)	 -	Z 2003 stimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate		
(U) (U)	AF RDT&E Other APPN							
	D. Acquisition Strategy Electronic Systems Center (ESC), Hanscom AFB, MA will manage selected technologies with legacy systems in an integrated C2ISR be quickly. One of the tenets of the streamlined acquisition philosophy periodically provides the opportunity to demonstrate new capabilities oftware that can be integrated to further advance effectiveness. Reanging from communications, C2, computers, weapons, Intelligence be used to develop enhancements to existing capabilities necessary the acquisition cycle allow deficiencies to be identified and consider technologies will be identified via a vigorous, defined process for in will capitalize on the synergy between evolving technologies and of materials CAAS contracts will be awarded during the first quarter to be awarded during the first and second quarters pending the initiative	aseline. Ty is to provide search and ce, Surveil to demonstrated for fut integration in-going sy o provide	The spiral devel vide new capabovide decisive a d development llance and Recostrate how emerture spirals as with existing system program approgram suppo	opment systilities through in and space funding with maissance reging produced as the registers and modification and varied and varied trand varied in the registers and varied trand varied trand varied in the registers and varied trand varied transverse varied varied varied transverse varied v	stem was created ugh the integration to power by idential ill be used to device (ISR) and aeros acts can improve the extrement of transitioned to the lons to maximize to bother contract	to field new on of existing tifying exist relop the into space deliver the warfigh or applied to the field for the return or	y and emerging to a g software comping DII compone egrating code for ry vehicles. In a ters' effectivenes o current capabil warfighter use.	echnologies conents. JEFX ents and other various systems ddition, funds will ess. Spirals within ities. Selected Integration efforts arious time &
(U)	E. Schedule Profile		FY 2001		FY	2002		FY 2003
(U) (U) (U) (U) (U) (U)	Call for initiatives for JEFX 2002 (Performed under PE 0207027F) Initiative selection, JEFX 2002 (Performed under PE 0207027F) Architectural Development, JEFX 2002 Conduct Spiral I Conduct Spiral II Conduct Spiral III Conduct JEFX 2002 Experiments	1	2 3 *	*	1 2 X X	3 X X	4 1 X	2 3 4
Р	roject 4373	Page	7 of 15 Pages				Exhibit R-2	A (PE 0207028F)

	RDT&E BUDGET ITEM JUSTIFICA	TION 9	SHEE	T (D.	-2 A F	- - - -	hit\			DAT		l	- 0000	
		ATION .		-			DIL)				Fe	bruary	2002	
	GET ACTIVITY - Operational System Development				ND TITL Join		edit	ionar	v For	ce Exi	oerime	ent	PRO. 437	
	· · · · · · · · · · · · · · · · · · ·		020.	020.	00	. – //	30411	oa.	<i>y</i> . c		3011111			
(U)	E. Schedule Profile Continued		FV	2001				FY ′	2002			FY	2003	
		1	2	3	4		1	2	3	4	1	2	3	4
(U)	Perform Assessment, JEFX 2002 Experiments (1QFY03)									X				
(U)	Commence integration of selected initiatives (1QFY03)									X				
(U)	Call for Initiatives, APTX 03									X				
(U)	Initiative Selection, APTX 03										X	37		
(U) (U)	Architectural Development Conduct APTX 03											X	X	
(U)	Call for Initiatives, JEFX 04												X	
(U)													11	
, ,	X Denotes planned event													
[Project 4373	Paga	8 of 15	Pages							Exhibit F	R-2Δ (DI	E 02070	128F)
	TOJOOL TOTO	1 age	0 01 13	ages							-VIIIDIL I	\ <u>\ </u>	L 02010	,201 j

	RDT&E PROG	RAM ELEI	MENT/PR	OJECT C	OST BF	REAKDOV	WN (R-3)		DATE F (ebruary 2	002
	GET ACTIVITY Operational System				PE NUMB	ER AND TITLE 28F Joint E					PROJECT 4373
(U)	A. Project Cost Breakdown	ı (\$ in Thousand	<u>ls</u>)								
							FY 2	<u>2001</u>	FY 20	<u>02</u>	FY 2003
(U)	Initiatives from government	•				usly			8,80	00	954
	considered initiatives, C2 Ce				10						
(U)	Development of systems arcl		-	ing engineering,	for the exp	eriment			8,40		3,056
(U)	Planning, coordination, and a								7,40		5,405
(U)	Implement architectural conf				&S), install				14,38	32	1,368
(T.T.)	infrastructure, install and test		C								10.000
(U)	Integration of new initiatives	and legacy syste	ems into an inte	egrated C2ISR ba	aseline. Fui	ndıng				0	10,000
(II)	provided in odd years only.								20.00	22	20.792
(U)	Total								38,98	32	20,783
(U)	B. Budget Acquisition Histo	ory and Plannin	g Information	(\$ in Thousand	<u>ls)</u>						
(U)	Performing Organizations:										
	Contractor or	Contract									
	Government	Method/Type	Award or	Performing	Project						
	Performing	or Funding	Obligation	Activity	Office	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	Activity	<u>Vehicle</u>	<u>Date</u>	EAC	<u>EAC</u>	to FY 2001	FY 2001	FY 2002	FY 2003	Complete	Program
	Product Development Organi	izations									
	ESC	MITRE	1 October	N/A	N/A			6,000		Continuing	TBD
	ESC	GSA	1 April	N/A	N/A			5,500		Continuing	TBD
	ESC	IDIQ	1 October	N/A	N/A			1,500		Continuing	TBD
	ESC	TBD	TBD	N/A	N/A			6,400	14,909	Continuing	TBD
	AC2ISRC	Time &	1 December	N/A	N/A			1,000		Continuing	TBD
		Materials									
	AC2ISRC	Time &	1 October	N/A	N/A			300		Continuing	TBD
		Materials									
	AC2ISRC	Time &	1 October	N/A	N/A			250		Continuing	TBD
		Materials									
_				Г.	0.6155					'. D 0 (DE 0	0070005)
Р	roject 4373			Page	9 of 15 Pag	ges			Exhib	it R-3 (PE 0	207028F)

	RDT&E PR	OGRAM ELI	EMENT/PRO	JECT C	OST BRE	AKDOV	VN (R-3)		DATE Fe	ebruary 2	002
	GET ACTIVITY				PE NUMBER	AND TITLE					PROJECT
)7 -	Operational Syst	em Developm	ent		0207028	Joint E	Expedition	ary Force	Experim	ent	4373
U)	Performing Organizat Product Development O										
	AC2ISRC	Time & Materials	1 February	N/A	N/A			200		Continuing	TBI
	AC2ISRC	Time & Materials	1 December	N/A	N/A			1,811		Continuing	TBI
	AC2ISRC	Time & Materials	1 December	N/A	N/A			499		Continuing	TBI
	AC2ISRC	Time & Materials	1 December	N/A	N/A			959		Continuing	TBI
	AC2ISRC	Time & Materials	1 December	N/A	N/A			961		Continuing	TBI
	AC2ISRC	Time & Materials	1 Dec	N/A	N/A			287		Continuing	TBI
	AC2ISRC	Time & Materials	1 Dec	N/A	N/A			220		Continuing	TBI
	AC2ISRC Support and Manageme	TBD ent Organizations	TBD	N/A	N/A			13,095	5,874	Continuing	TBI
	Test and Evaluation Organic	ganizations			Т	otal Prior	Budget	Budget	<u>Budget</u>	Budget to	<u>Tota</u>
	Subtotals Subtotal Product Development and M	lanagement				FY 2001	FY 2001	FY 2002 38,982	FY 2003 20,783	Complete TBD	
	Subtotal Test and Evalu Total Project	ation						38,982	20,783	TBD	TBI
Р	roject 4373			Page	e 10 of 15 Pages				Exhibi	t R-3 (PE 0	207028F)

	RDT&E	BUDGET ITEM JU	STIFIC	ATION :	SHEET	(R-2A E	xhibit)		DATE	Februa	ry 2002
	GET ACTIVITY Operational Sys	stem Development				R AND TITLE BF Joint	Expediti	onary Fo	rce Expe	eriment	ргојест 4991
	COST (\$ ir	n Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
4991	JDEP		0	4,582	6,378	6,662	6,653	4,947	4,941	Continuing	TBD
(U)	assess joint Battle Ma and platforms through joint system performa JDEP will link existing	Engineering Plant (JDEP) contanagement, Command, Control, h more rigorous interoperability ance in a system-of-systems enving Service and Joint combat system Activities, software support a	Communicy evaluation vironment.	ation, Comp in a replicate ering and tes	uters and Intended battlefield	relligence. In a servironment of the servironm	t's objective nt. JDEP wi ware in the lo	is to improv ll provide th	e interopera e capability puter-progra	bility of weap both to impro am-in-the-loo	oons systems ove service and
(U) (U) (U)	FY 2001 (\$ in Thousa \$0 \$0	ands) No activity Total									
(U) (U)	FY 2002 (\$ in Thousa \$1,495	site activation and Ops supports system engineering sites to entidentifying which ones should ability to work interoperability includes hardware, software a	nulate tactic l be activate y issues earl	al data links d in the futu y in the acqu	. It builds on re. This pro- nisition proce	n a federation cess gives ge	n of sites tha eographically	t are activat y separated (ed expandin C2 centers a	g on the currend	ent sites and ffices the
(U) (U)	\$875 \$590	Communication architectures for each site activated. It incoarchitectures. This will support at existing facilities, which all Existing JDEP support activities maintenance support along will activate the communication of the communication o	, links and e orporates con ort distribute lows a repea ies. This in	ngineering anfiguration red hardware, atable envirocludes ops a	and support f nanagement, software and nment to be nd maintena	scheduling, d warfighter- readily avail nce of the cu	development -in-the-loop lable to development sites, v	nt & implem joint integra lopers, engin	entation of o tion activition neers and wa	communications. It leverages arfighters.	ons es connections
P	roject 4991			•	11 of 15 Pag				Ex	khibit R-2A (PE 0207028F)

	RDT8	E BUDGET ITEM	JUSTIF	ICATION	SHEET (R-2A Exh	nibit)		DATE Februar	y 2002
	GET ACTIVITY	ystem Developmen	4			AND TITLE	rnaditiona	ry Force F	Experiment	PROJECT 4991
07 -	•	•			0207020	r Joint Ex	крешнона	ry Force E	zperiment	4991
(U)	A. Mission Descrip	otion Continued								
(U) (U)	FY 2002 (\$ in Thou \$295	<u>sands) Continued</u> Development of system	s architecture	and integration	including en	rineering for t	ne IDEP renea	table environ	ment This effort w	ill include
(0)	Ψ2/3	development of Joint sin	nulation and s	stimulation env	ronments to si	_	-			
(U)	\$800	come to a single facility Experiment implementa		•		vents during p	re, during and	post exercise	events. It includes	support staff
(U)	\$527	to assist users in the ana Development of a simul	•			•		imulation of a	n environment that	allowe
(0)	ψ321	customers an opportunit						illiulation of a	in environment that	anows
(U)	\$4,582	Total	•	•						
(U)	FY 2003 (\$ in Thou	isands)								
(U)	\$1,645	Continue site activation						on cost for ea	ch site.	
(U)	\$1,220	Continue communication			_			1	1	
(U) (U)	\$1,224 \$411	Continue existing JDEP Continue development of			-		•	-		it activities.
(U)	\$1,144	Continue development in	•		•		_	-		
(U)	\$734	Continue development of	•	•			during pre, de	iring and post	exercise events.	
(U)	\$6,378	Total				vezi evenes.				
(U)	B. Project Change	Summary								
(U)	C. Other Program	Funding Summary (\$ in]	Thousands)							
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to	Total Cost
(II)	AEDDT&E	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) (U)	AF RDT&E Other APPN									
(0)	N/A									
P	Project 4991			Page	: 12 of 15 Page	es			Exhibit R-2A (P	E 0207028F)

	RDT&E BUDGET ITEM JUSTIFICATION	ON S	HEET	(R-	DAT	DATE February 2002							
	GET ACTIVITY - Operational System Development		PE NUME 02070		ID TITLE Joint E	Expedi	itiona	y Forc	e Exp	erime	ent	PRO. 499	
(U)	D. Acquisition Strategy Acquisition Strategy: Electronic Systems Center (ESC), Hanscom AFB, and site activation activities for all Air Force JDEP activities. JDEP will location for system integration, development and risk reduction activities.	ll provi	,	-									atior
U)	E. Schedule Profile		EV ?	0001			EV	<u>2002</u>			EV ′	2003	
		1	<u>FY 2</u> 2	3	4	1	2	3	4	1	2	3	4
(U)	Event Planning Conduct SIAP Interoperability Event Implement JDEP connectivity at Hanscom and other Air Force sites.					X	X	X					
U)	Conduct PAC3 IOT&E (Extended)							X	**				
U) U)	Conduct TACMEMO Interoperability Event Track 3 Event								X			X	
U)	X - planned											Λ	
	* - completed												
F	Project 4991	Page 13	3 of 15 P	ages					E	xhibit R	2-2A (PE	02070	28F

PROJECT 14991 FY 20 1,64 1,22 1,22 41 1,14 73
FY 20 1,64 1,22 1,24 41 1,14 73
1,64 1,22 1,22 41 1,14
1,64 1,22 1,22 41 1,14
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002			
BUDGET ACTIVITY 07 - Operational System Development			PE NUMBER AND TITLE 0207028F Joint Expeditionary Force				Experiment		PROJECT 4991	
Support and Management Organizations ESC TBD Test and Evaluation Organizations Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project	TBD	N/A	N/A	Total Prior to FY 2001 0 0	0 Budget FY 2001 0 0	372 <u>Budget</u> <u>FY 2002</u> 4,582 4,582	519 <u>Budget</u> <u>FY 2003</u> 6,378 6,378	Continuing Budget to Complete TBD TBD	<u>Tota</u>	
Project 4991 Page 15 of 15 Pages						Exhibit R-3 (PE 0207028F)				